

Substitute for form 1449A&amp;B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **1** of **4****Complete if Known**

Application Number	10/592,985
Filing Date	September 12, 2007
First Named Inventor	Wang, Xiaodong
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	019941-011010US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (If known)			
	1	US-3,923,773	12-02-1975	Hirohito et al.	
	2	US-4,371,467	02-01-1983	Hirohito et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
	3	DE	2 321 511	B1	07-25-1974	Dainippon Ink and Chemicals, Inc.	Corresponds to US 3,923,773	<input type="checkbox"/>
	4	DE	30 37 494	A1	04-09-1981	Dainippon Ink and Chemicals, Inc.	Corresponds to US 4,371,467	<input type="checkbox"/>
	5	EP	0 351 582	A1	04-04-1990	Minnesota Mining and Manufacturing Company		<input type="checkbox"/>
	6	EP	0 595 126	A1	05-11-1994	Yamanouchi Sanyaku Kabushiki Kaisha et al.		<input type="checkbox"/>
	7	EP	0 767 172	A1	04-09-1997	Boehringer Ingelheim Pharmaceuticals, Inc.		<input type="checkbox"/>
	8	EP	1 302 463	A1	04-16-2003	Yamanouchi Pharmaceutical Co., Ltd.		<input type="checkbox"/>
	9	GB	833,548		04-27-1960	Geigy		<input type="checkbox"/>
	10	JP	2003-060447	A	02-21-2003	Fuji Photo Film Co., Ltd.	Translation of Abstract Only	<input type="checkbox"/>
	11	JP	54-119631	A	09-17-1979	Nippon Soda Co., Ltd.	Translation of Abstract Only	<input type="checkbox"/>
	12	JP	57-155242	A	09-25-1982	Dainippon Ink & Chemicals, Inc.	Translation of Abstract Only	<input type="checkbox"/>
	13	JP	2002-295744	A	10-09-2002	Fuji Photo Film Co., Ltd.	Translation of Abstract Only	<input type="checkbox"/>
	14	JP	09-285167	A	11-04-1997	Mitsubishi Chem. Corp.	Translation of Abstract Only	<input type="checkbox"/>
	15	JP	49-126933	A	12-10-1974	Dainippon Ink Kagaku Kogyo KK	No Abstract Available	<input type="checkbox"/>
	16	WO	95/22545	A1	08-24-1995	Boehringer Ingelheim Pharmaceuticals, Inc.		<input type="checkbox"/>

**NON PATENT LITERATURE DOCUMENTS**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **2**

of

**4****Complete if Known**

Application Number	10/592,985
Filing Date	September 12, 2007
First Named Inventor	Wang, Xiaodong
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	019941-011010US

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T *
	17.	ABUSHAMLEH, A.S. et al., "Metal Complexes of 1,10-phenanthroline Derivatives. XIV. Complexes of 1,10-phenanthroline-2-yl(pyridine-2-yl)amine," <i>Australian Journal of Chemistry</i> , 1984, Vol. 37, No. 2, pp. 281-291, Abstract Only.	<input type="checkbox"/>
	18.	BAGULEY, M.E. et al., "Heterocyclic Imines and Amines. VIII. Identification of 'o'-cyanothio benzamide' as 1-imino-3-thioisindoline, and its Conversion With Amines Into Macrocycles and Intermediates," <i>Journal of the Chemical Society</i> , 1957, pp. 709-719, Abstract Only.	<input type="checkbox"/>
	19.	BELL, T.W. et al., "Binding Biomolecules With Designed Hydrogen-Bonding Receptors," <i>Pure and Applied Chemistry</i> , 1998, Vol. 70, No. 12, pp. 2371-2377, Abstract Only.	<input type="checkbox"/>
	20.	BERRY, J.F. et al., "Additional Steps Toward Molecular Scale Wires: Further Study of Ni510/11+ Chains Embraced by Polypyridylamida Ligands," <i>Inorganic Chemistry</i> , 2003, Vol. 42, No. 11, pp. 3534-3539, Abstract Only.	<input type="checkbox"/>
	21.	BOLM, C. et al., "Synthesis of C2-Symmetric and Unsymmetrically Substituted 2,2'-dipyridylamines and Crystal Structure of a Chiral 2,2'-dipyridylamine Copper(II) Complex," <i>Journal of Organometallic Chemistry</i> , 2004, Vol. 689, No. 23, pp. 3787-3777, Abstract Only.	<input type="checkbox"/>
	22.	BOLM, C. et al., "Synthesis of Chiral 2,2'-dipyridylamines and Their Use in the Copper-Catalyzed Asymmetric Allylic Oxidation of Cyclohexene," <i>Tetrahedron Letters</i> , 2004, Vol. 45, No. 26, pp. 5019-5021, Abstract Only.	<input type="checkbox"/>
	23.	BORODKIN, V.F. et al., "Macrocyclic Compounds Containing Hydroisindole Groups," <i>Tr. Ivanov. Khim.-Tekhnol. Inst.</i> , 1972, Vol. 14, pp. 141-142, Abstract Only.	<input type="checkbox"/>
	24.	BORODKIN, V.F. et al., "Synthesis of Macrocyclic Compounds Containing Dihydroisindole Residues," <i>Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskoye Tekhnologiya</i> , 1973, Vol. 16, No. 8, pp. 1304-1305, Abstract Only.	<input type="checkbox"/>
	25.	BRZEZINSKA, E., "The QSAR Analysis of Tricyclic Non-nucleoside Inhibitors of HIV-1 Reverse Transcriptase," <i>Acta Polonica Pharmaceutica</i> , 2003, Vol. 60, No. 1, pp. 3-13, Abstract Only.	<input type="checkbox"/>
	26.	DATABASE REGISTRY 'ONLINE', RN: 332848-52-9, April 26, 2002, Abstract Only.	<input type="checkbox"/>
	27.	DATABASE REGISTRY 'ONLINE', RN 416871-01-7, May 16, 2002, Abstract Only.	<input type="checkbox"/>

Examiner Signature	Date Considered
--------------------	-----------------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A&amp;B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **3**

of

**4****Complete if Known**

Application Number	10/592,985
Filing Date	September 12, 2007
First Named Inventor	Wang, Xiaodong
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	019941-011010US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	28.	DATABASE REGISTRY 'ONLINE', RN: 477859-69-1, December 31, 2002, Abstract Only.	<input type="checkbox"/>
	29.	FALYAKHOV, I.F. et al., "Investigation of Thermal Stability of High-Melting Thermostable Explosives," <i>Proceedings of the International Pyrotechnics Seminar</i> , 1995, pp. 187-201, Abstract Only.	<input type="checkbox"/>
	30.	HANACK, M. et al., "Synthesis and Characterization of Substituted Nickel Hemiporphyrines," <i>Chemische Berichte</i> , 1993, Vol. 126, No. 5, pp. 1201-1204, Abstract Only.	<input type="checkbox"/>
	31.	HASANOV, H. et al., "Synthesis of Long-Chained Oligo- $\alpha$ -aminopyridines by Tandem Pd-Catalyzed Cross-Coupling Aminations and Their Helical Dinuclear Complexes," <i>Tetrahedron Letters</i> , 2004, Vol. 45, No. 41, pp. 7765-7769, Abstract Only.	<input type="checkbox"/>
	32.	International Search Report mailed on December 22, 2005, for PCT Application No. PCT/US2005/012837 filed on April 13, 2005, 13 pages.	<input type="checkbox"/>
	33.	KREHER, T. et al., "Dynamic NMR Studies of Phosphorylated Diamine-Coupled bis-1,3,5-triazines," <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, Vol. 141, pp. 135-148, Abstract Only.	<input type="checkbox"/>
	34.	LEUNG, M.-K. et al., "Self-Complementarity of Oligo-2-aminopyridines: A New Class of Hydrogen-Bonded Ladders," <i>Journal of the American Chemical Society</i> , 2002, Vol. 124, No. 16, pp. 4287-4297, Abstract Only.	<input type="checkbox"/>
	35.	MIELICKI et al., "Pigments from Isoindolenine Derivatives," <i>Pol.</i> , 1973, 4 pages, Abstract Only.	<input type="checkbox"/>
	36.	OKORO, U.C., "The First Aza-Analog of Dibenzotriphenodithiazine Ring System," <i>Indian Journal of Chemistry, Section B: Organic Chemistry including Medicinal Chemistry</i> , 1991, Vol. 30(B), No. 1, pp. 22-24, Abstract Only.	<input type="checkbox"/>
	37.	PATRICIU, O.-I. et al., "Unambiguous Synthetic Approach to Dihydropyridopyrazines," <i>COORROCA 2004, Actes du Colloque Franco-Roumain de Chimie Appliquee</i> , 3rd, Bacau, Romania, September 22-26, 2004, 2004, pp. 107-108, Abstract Only.	<input type="checkbox"/>
	38.	PENG, S.-M. et al., "One-Dimensional Metal String Complexes," <i>Journal of Magnetism and Magnetic Materials</i> , 2000, Vol. 209, pp. 80-83, Abstract Only.	<input type="checkbox"/>
Examiner Signature	Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A&amp;B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 4

**Complete If Known**

Application Number	10/592,985
Filing Date	September 12, 2007
First Named Inventor	Wang, Xiaodong
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	019941-011010US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	39.	PROUDFOOT, J.R. et al., "Novel Non-nucleoside Inhibitors of Human Immunodeficiency Virus Type 1 (HIV-1) Reverse Transcriptase. 4. 2-Substituted Dipyrroliodiazepinones as Potent Inhibitors of Both Wild-Type and Cysteine-181 HIV-1 Reverse Transcriptase Enzymes," <i>Journal of Medicinal Chemistry</i> , 1995, Vol. 38, No. 24, pp. 4830-4838.	<input type="checkbox"/>
	40.	SEKIGUCHI, T. et al., "Azomethine Pigments. III. Synthesis of Bisazomethine Pigments From 4-nitrophthalimide and Diamines," <i>Kogyo Kagaku Zasshi</i> , 1971, Vol. 74, No. 12, pp. 2510-2515, Abstract Only.	<input type="checkbox"/>
	41.	TSUZUKI, Y. et al., "Synthesis and Structure-Activity Relationships of Novel 7-Substituted 1,4-Dihydro-4-oxo-1-(2-thiazolyl)-1,8-naphthyridine-3-carboxylic Acids as Antitumor Agents. Part 2," <i>Journal of Medicinal Chemistry</i> , 2004, Vol. 47, No. 8, pp. 2097-2109.	<input type="checkbox"/>
	42.	VON BEBENBURG, W. et al., "Substituted Polyaminopyridines," <i>Chemiker-Zeitung</i> , 1979, Vol. 103, No. 12, pp. 387-399, Abstract Only.	<input type="checkbox"/>
	43.	ZHOU, X. et al., "Two-Photon Absorption Properties of Star-Shaped Compounds Based on 1,3,5-triazine and 1,3,5-trisubstituted benzene," <i>Theochem.</i> , 2004, Vol. 568, No. 2-3, pp. 229-234, Abstract Only.	<input type="checkbox"/>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.